

ABB BALDOR RELIANCE III

Customer information packet D2520P

0328AT, 20HP, 1750RPM, 240, 300, TEFC, F1

Specifications

Armature Voltage	240 V
Base Speed	1750 rpm
Enclosure	TEFC
Field Voltage	300 V
Frame	328AT
Output Power	20.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	68.8 a
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	STR. SHUNT
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	42.45 IN
Service Factor	1.00
Shaft Diameter	2.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part Detail

Revision	A
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0081A A
Layout	885-4
Eff. date	10-03-2023
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-18-2019

Nameplate

NP1734										
CAT.NO.	D2520P			MODEL	T32S8007					
HP	20	RPM	1750/2300		FRAME		0328AT			
ARM V	240		ARM A		68.80	WOUND		STR. SHUNT		
FLD V	150/300		FLD A		2.22-1.20/1.11-.60					
CONN			OHMS		170.5		CL	F		
ENCL	TEFC		DUTY		CONT		MX AMB		40	
P CODE	D		CTSR				SER.F.		1.0	
S/N				E/S	K0081A A					
O.D.E. BRG.	6210	D.E. BRG.	6211		BRUSH		28610-1		QTY	2

Parts List

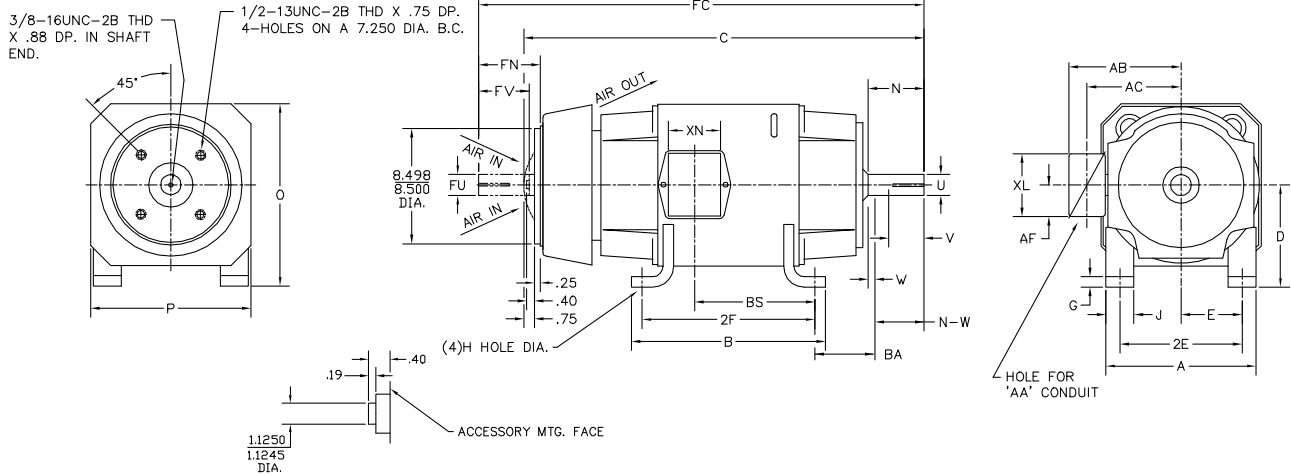
Part number	Description	Quantity
SA377222	SA T32S8007	1.000 ea
AA018237	AA T32S8007	1.000 ea
036170004DA	DRSCW METRIC NAMEPLATE	4.000 ea
NP1734	NPL,BALDOR DC MTR ALUMINUM	1.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	2.000 ea
15094	DISHED LOCKWASHER .332 ID, .865 OD	2.000 ea
BP5228R01	BR ROCKER ASSY,FR 28 & 32 SINGLE BRUSH	1.000 ea
28610-1SP	BRUSH,280/320FR	2.000 ea
32031-5	CE BRKT MACH FR 320 FOR LOCKED C.E	1.000 ea
32029-10	BRKT,STD. LOCKED C/E 320AT	1.000 ea
004824015A	GREASE POLYREX EM	0.400 lb
032130010DA	1/2-13 X 1.25 HSHCS	4.000 ea
032018040DK	HHCS 1/2-13X5L PLATED	4.000 ea
15185-7	LUBE EXTENSION 4.00" LONG	1.000 ea
15185-6	LUBE EXTENSION 3.06 LENGTH	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
15548-3	8485200000	1.000 ea
400638001G	WAVEN (Customer number 43699)	1.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea
15548-2	LUB FITTING,PRESS-IN ALEMITE #1743-B/EQ	1.000 ea
032130016BA	HSHCS OUTER CAP LE	4.000 ea
150449-31	GRD STUD ARG .312DIA STUD	1.000 ea
15024-7	28021-2/BOX FR. 280/3201/8" THK.,MUELL	1.000 ea
15024-7	28021-2/BOX FR. 280/3201/8" THK.,MUELL	1.000 ea
15555-150	KEY .500/.498 SQ	1.000 ea
32051-1	FAN MACH FR 320ALUM ALUMINUM	1.000 ea
15021-2	ACC.FACE SCRNB,1/2 #13/15 FLTND. EXP.META	1.000 ea
32555	SHROUD & GUARD ASSY FR 320 ASSY	1.000 ea
032018006CK	HHCS 3/8-16X3/4L PLATED 411409	4.000 ea
032018010DK	HHCS 1/2-13X1-1/4 PLATED	4.000 ea
032620012MB	3/8-13 X 3/8 HXSS SCREW ZINC	2.000 ea

032620032KB	HSSS 1/4-20X1" PLTD - 360	4.000 ea
032018006DK	HHCS 1/2-13X3/4 PLATED	4.000 ea
15115	TERM BOX HOLE COVER FRAME 280 & 320	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	4.000 ea
32020-2	GASKET COVER COM END FRAME 320 SERIES	3.000 ea
32020-1	GASKET, COVER, FAN END	3.000 ea
032018004BK	HHCS 5/16-18X1/2 PLATED	28.000 ea
32055	C-FACE COVER MACH FR 32 SERIES TEFC	1.000 ea
32019-1	ACCESS COVER FRAME 32 SERIES #14 GA STE	3.000 ea
32019-2	ACCESS COVER FRAME 32 SERIES	3.000 ea
033100012AB	1/4-20 HX MACH SCREW NUT	4.000 ea
15599-37	DRIVE SCR,#10 X.37 TYPE UPLATED STEEL	6.000 ea
32023-2	SOLID SMILE COVER, FR 320	1.000 ea
15024-6	TERM.BOX BASE FR-320, DUREX P/N:3SP	1.000 ea
15024-4	TERM.BOX CVR. FR-28,32,36DUREX P/N:D618	1.000 ea
15024-5	GASKET, T.BOX COVER	1.000 ea
032018004AK	HHCS 1/4-20X1/2 PLATED	2.000 ea
032018008BK	HHCS 5/16-18X1L PLATED	4.000 ea
15209	LABEL CONNECTIONS & TERMINAL MARKIN	1.000 ea
15442	COVER RING TEFC ACC FACE #14 GA CR	1.000 ea
034180025GA	KEY,DE	1.000 ea
004824007BTW	SPECIAL PAINT4824-3BVZ	0.200 ea

Accessories

Part number	Description	Multiplier
94EP5000A01	C-FACE CONVERSION KIT STOCK MTR,FR 320	

885-4



FRAME	FOOT MOUNTING											D.E. SHAFT EXTENSION				DRIVE KEY		ACC SHAFT EXTENSION				ACC KEY		FRAME									
	BA	E	2F	G	H	J	N	N-W	U	V	W	KEY-SQ.	KEY-LONG	FN	FU	FV	KEY-SQ.	KEY-LONG	A	B	C	FC	D	O	P								
327AT	5.25	6.25	14.00	.81	.656	3.00	4.40	4.25	2.125	4.00 ³	.15	.500	3.12	3.94	1.875	3.69	.500	2.81	15.88	15.75	37.06	40.57	8.00 ²	15.94	15.88								
328AT	5.25	6.25	16.00	.81	.656	3.00	4.40	4.25	2.125	4.00 ³	.15	.500	3.12	3.94	1.875	3.69	.500	2.81	15.88	17.75	38.94	42.45	8.00 ²	15.94	15.88								
329AT	5.25	6.25	18.00	.81	.656	3.00	4.40	4.25	2.125	4.00 ³	.15	.500	3.12	3.94	1.875	3.69	.500	2.81	15.88	19.75	40.94	44.45	8.00 ²	15.94	15.88								
365AT	5.88	7.00	12.25	.81	.813	3.25	4.94	4.75	2.375	4.50 ³	.19	.625	3.50	4.62	2.125	4.37	.500	3.13	17.75	13.75	37.91	42.62	9.00 ²	17.94	17.88								
366AT	5.88	7.00	14.00	.81	.813	3.25	4.94	4.75	2.375	4.50 ³	.19	.625	3.50	4.62	2.125	4.37	.500	3.13	17.75	15.50	40.10	44.81	9.00 ²	17.94	17.88								
368AT	5.88	7.00	18.00	.81	.813	3.25	4.94	4.75	2.375	4.50 ³	.19	.625	3.50	4.62	2.125	4.37	.500	3.13	17.75	19.50	43.10	47.81	9.00 ²	17.94	17.88								
3610AT	5.88	7.00	22.00	.81	.813	3.25	4.94	4.75	2.375	4.50 ³	.19	.625	3.50	4.62	2.125	4.37	.500	3.13	17.75	23.50	46.10	50.81	9.00 ²	17.94	17.88								
3612AT	5.88	7.00	28.00	.81	.813	3.25	4.94	4.75	2.375	4.50 ³	.19	.625	3.50	4.62	2.125	4.37	.500	3.13	17.75	29.50	49.10	53.81	9.00 ²	17.94	17.88								

CONDUIT BOX								ARM APPROX. Wt ² LBS.FT. ²	APPROXIMATE WEIGHT
FRAME	AA	AB	AC	AF	BS	XL	XN		
327AT	2	12.94	10.32	5.00	11.81	7.88	5.25	8.45	760 ⁵
328AT	2	12.94	10.32	5.00	13.68	7.88	5.25	9.67	835 ⁵
329AT	2	12.94	10.32	5.00	15.68	7.88	5.25	10.97	944 ⁵
365AT	2 1/2	14.06	11.38	5.00	9.06	7.88	5.25	15.61	865 ⁵
366AT	2 1/2	14.06	11.38	5.00	11.25	7.88	5.25	18.27	975 ⁵
368AT	2 1/2	14.06	11.38	5.00	14.25	7.88	5.25	22.21	1135 ⁵
3610AT	3	16.86	13.09	6.53	18.25	11.63	7.76	28.00	1213 ⁵
3612AT	3	16.86	13.09	6.53	24.25	11.63	7.76	31.60	1552 ⁵

- 1) SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 -.0005
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 -.0010
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
2) 'V' DIMENSION TOLERANCE +.000 -.060
3) 'Y' DIMENSION IS MAX. HUB LENGTH ON SHAFT
4) CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.
5) TOTAL WEIGHT OF MOTOR AND FAN COOLED PACKAGE.
6) ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX
LOCATION SEE SALES ORDER

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

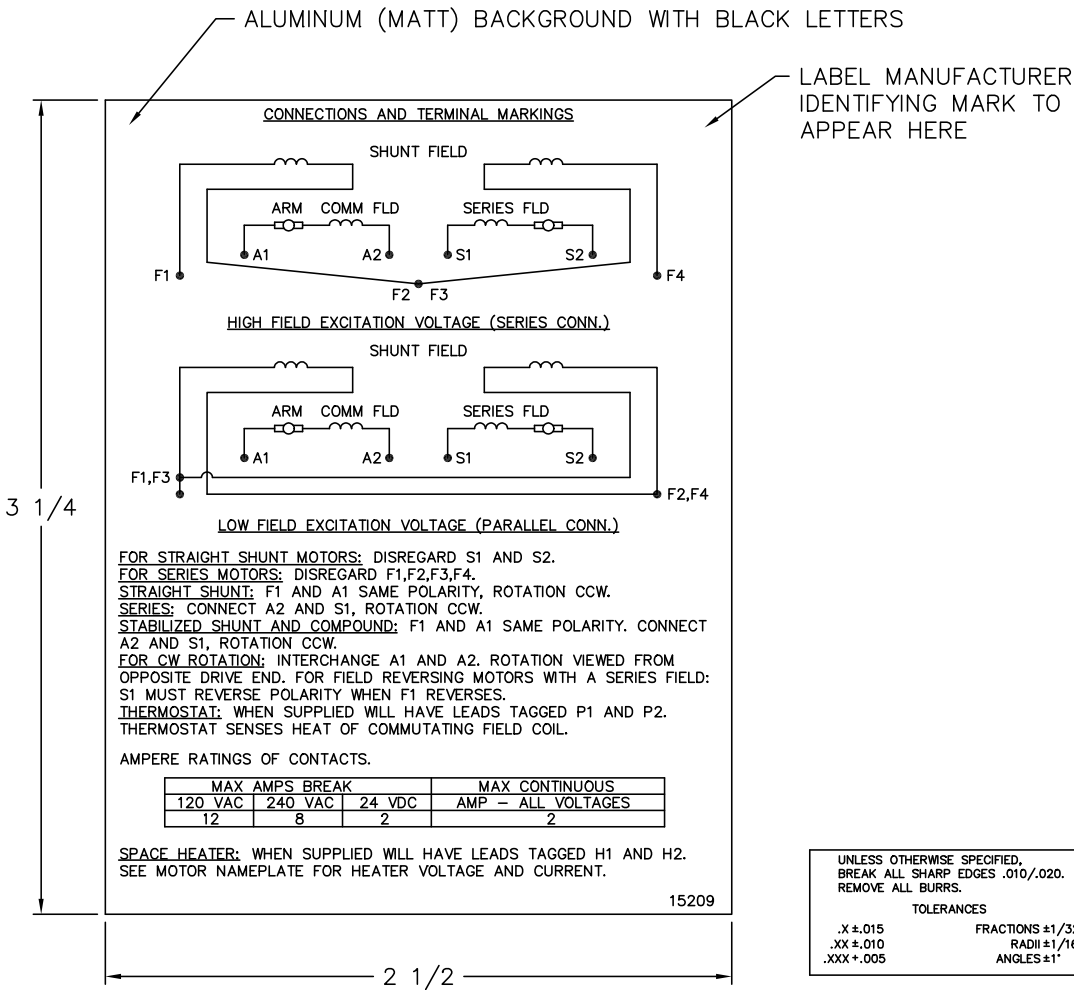
REV. DESC: 885-4 RESCALE DRAWING IN BUS		
REV. LTR: C	VERSION: 02	TDR: 000000763880
FILE: \RGG\00019\544	REVISED: 09:37:55 09/07/2012	BY: RGGWT
MTL: -		

BALDOR

DIM SHEET
SH 1 of 1

885-4

15209



NOTE:
MATERIAL .005 MINIMUM FULL HARD ALUMINUM DULL FINISH.
TEMP. RANGE -20°C TO +125°C MAXIMUM.
FOR INDOOR AND OUTDOOR MOUNTING BACK.
METAL, PRESSURE SENSITIVE BACK. MUST MEET CSA STANDARD.
THE CSA IDENTIFYING MARK OF THE LABEL MANUFACTURER MUST APPEAR IN THE UPPER RIGHT HAND CORNER AS INDICATED.

15209

MATL: NOTED			
REV:	G	CHANGE ALL "NAMEPLATE" TEXT TO "LABEL"	
60Z91		SCALE: —	BY: BKW
		FILE: CHB00002485	REVISED: 02/19/97
		TDR: 0115147	

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC